

1ST AND 2ND SURVEY		3RD AND 4TH SURVEY	
POSITIONS AND PROPERTIES INDEX			
CA Fractional extraction of liquids. N. F. Bogdanov. U.S.P.R. 68,363, Apr. 30, 1947. An app. for extg. liquids with a solvent of lighter sp. gr. is described. The app. comprises a boiling pan located between an extractor and a receiver.		1	
ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION		EXTENSION	
SOURCE SYMBOL		EXTRACTOR SYMBOL	
ISSUED BY ORG CDE		ILLUSTRATIONS	
REMARKS		REMARKS	

APR 1967		PRECEDENCE AND PRIORITY INDEX	
CA 1 Flask for vacuum distillation of high-boiling liquid mixtures. N. P. Rodanov. - U.S.S.R. 68,898, June 30, 1947, M. H.			
ASB-ELA METALLURGICAL LITERATURE CLASSIFICATION		ASB-ELA	
ASB-ELA		ASB-ELA	
ASB-ELA		ASB-ELA	

USSR/Petroleum, Products
Distillation - Apparatus

Oct 48

"Current-Vacuum Distillations of Heavy-Petroleum
Products," N. F. Bogdanov, 5 pp

"Ref. Khoz" No 10

Conducted tests on a reprocessing method and construction of an apparatus for current-vacuum distillation of heavy-petroleum products to determine practical use of an apparatus for a current laboratory of a petroleum refinery. Numerous distillations of heavy-petroleum products showed simplicity of apparatus and its smooth operation. Apparatus can be operated by untrained laboratory workers. Four tables show experimental results.

BOGDANOV, N. F.

43/49T89

PA 43/49T89

PA 17/49T109

BOGDANOV, N. F.

USSR/Petroleum
Distillation, Fractional

Jul 48

"Method for Determining the Fractioning Composition of Heavy Petroleum Products Having a High Boiling Point," N. F. Bogdanov, Georgian Petroleum Sci Res Inst, 4½ pp

"Zavod Lab" Vol XIV, No 7

Describes construction of apparatus for vacuum fractional distillation which can be used to determine fractional composition of petroleum products with high boiling points in refinery laboratories. Discrepancies between results of parallel determinations do not exceed 0.5-1.0 cc. Time required 1-1.5 hours.

17/49T109

BUGDANOV, N. F.

AID P - 2696

Subject : USSR/Chemistry

Card 1/2 Pub. 78 - 14/21

Author : Bogdanov, N. F.

Title : The mechanics of de-asphaltizing of oil product residues by liquefied propane (criticism of the theory of coagulation)

Periodical : Neft. khoz., 33, 5, 63-69, My 1955

Abstract : The process of de-asphaltizing oil product residues by liquefied propane is usually explained by the theory of coagulation, that is, the asphaltic-bituminous ingredients which are colloiddally dispersed in oil products are lyophilic colloids in relation to the oil ingredients, but become lyophobic colloids in relation to the propane solution and thus are precipitated. The author analyses this process and finds great discrepancies, without however presenting a new explanation.

AID P - 2696

Neft. khoz., 33, 5, 63-69, My 1955

Card 2/2 Pub. 78 - 14/21

Institution : None

Submitted : No date

BOGDANOV, N.P.

246. MECHANISM OF DEASPHALTING PETROLEUM PRODUCTS WITH PROPANE
(SOLUBILITY THEORY). Bogdanov, N.P. (Khim. Tekhnol. Topliva i Gazov
Technol. Fuel, Moscow), 1955, (3), 42-49; abstr. in Chem. Abstr.,
vol. 51, 11700). Deasphalting of petroleum products is
considered as a fractional extraction with propane. The
residue is treated in an extractor with propane at 50-55 atm pressure, and the
propane is distilled off, and the extract is a light oil.
The results of the fractional extraction of various petroleum products are
presented. Paraffinic and naphthene-paraffinic oils have the
highest solubility in propane; aromatic compounds have the lowest
solubility decreases with an increase in the number of aromatic rings.
polyaromatic and condensed aromatic compounds are practically
slightly soluble; asphaltene are practically insoluble.
Temperature reduces the solvent action of propane.
selectivity. (L).

BOGDANOV, N. F.

Composition and Properties of the High Molecular (Cont.) 647

Weight Fraction of Petroleum; Collection of Papers, Moscow, Izd-vo-AN SSSR, 1958, 370pp.

Propane treatment yields products with a high hydrogen content and high molecular weight. Phenol treatment gives products of lower molecular weight, high density, and high S, N and O content. Resins from Tuymazy and Emba crudes are composed of polycyclic compounds containing S, N, and O, with average molecules of 4 - 6 cycles. The average molecule contains not only aromatic cycles, but also considerable amounts of naphthenic (sometimes up to 50%) and paraffinic (40 - 50%) cycles, basically short. There are 7 tables, 3 figures, and 13 references of which 12 are Soviet and 1 German.

Bogdanov, N.F. Plan of a Standard Method for the Study of Mazut 280

The proposed method is not in its definitive form. Changes and additions are expected after the completion of work on problems which still remain unsolved, both in apparatus and methodology. The proposed method consists of two stages. The first stage which is identical for all mazuts determines hydrocarbon composition and physicochemical properties. The second stage is concerned with the separation of technical products for particular applications. These products are characterized by technical, physical, and chemical properties which should fulfill some requirements, therefore this stage is not uniform for all mazuts but is dictated by specific needs. There are 2 tables, 1 figure, and 4 references of which 2 are Soviet and 2 English.

Card 18/22

2nd Collection of Papers publ. by AU Conf. Jan 56, Moscow,

BOGDANOV N. F.

Composition and Properties of the High Molecular (Cont.) 647

~~Weight Fraction of Petroleum; Collection of Papers, Moscow, Izd-vo AN SSSR, 1958, 370pp~~
~~Bogdanov, N. F., Martynenko, A. G., Artem'yeva, O. A., Methods for Study of~~

~~the Composition of Heavy Petroleum Products by Fractionation with Liquid Propane and an Adsorbent~~

291

The high-boiling residual petroleum products are investigated by means of the fractionation method developed by the GrozNII. This method is based on the separating properties of liquid propane and of liquid propane plus an adsorbent. The use of liquid propane permits finer separation than achieved by other methods. The molecular weight of the cuts increases with fractionation, and their chemical composition shows increase of aromatization. Composite fractionation with an adsorbent, gives narrower cuts differing in chemical composition. The advantage of these methods is the maintenance of the chemical composition of all components throughout the process. There are 13 tables, 2 figures, and 2 references of which 1 is Soviet, and 1 English.

Sereda, Ya. I. A Method for Analysis of the Chemical Composition of Organic Components in Acid Asphalts

308

~~The Laboratory for Petroleum Refining at the Geological Institute of Mineral Resources, Lvov Branch of UkrSSR, developed a new method for analysis of the chemical group composition of acid asphalts obtained from the refining of oil and wax. This method serves for the determination of the composition of all types of acid asphalts, and can be~~
 Card 19/22

BOGDANOV, N.F.; PRAVEN'KAYA, T.I.; SERGEYEVA, M.I.; BRASHCHENKO, Ye.M.

Separation of aromatics from petroleum products with the aid
of an aluminosilicate adsorbent in a propane solution. Trudy
GrozNII no.4:189-198 '59. (MIRA 12:9)
(Petroleum products) (Aromatic compounds) (Adsorption)

BOGDANOV, N.F.; PEREVERZEV, A.N.

"Production and refining of oils from Baku petroleum" by A.M.
Kuliev, R.Sh.Kuliev, M.I.Aliev. Reviewed by N.F.Bogdanov, A.N.
Pereverzev. Azerb.neft.khoz. 39 no.9:48 S'60. (MIRA 13:10)
(Baku region--Petroleum--Analysis) (Lubrication and lubricants)
(Kuliev, A.M.) (Kuliev, R.Sh.) (Aliiev, M.I.)

24826

S/081/61/000/011/031/040

3103/B202

15.6400

AUTHORS: Bogdanov, N. F., Mitrofanov, M. G., Stepuro, S. I.,
Sergeyeva, M. I.

TITLE: Production of low-solidifying oils by the method of
extractive deparaffination

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 11, 1961, 483, abstract
11M192 (11M192). ("Tr. Groznensk. neft. n.-i. in-t", vyp. 7,
1960, 93 - 103)

TEXT: In the course of the extractive deparaffination at the Groznenskiy
neftemaslozavod (Groznyy Petroleum Refinery) up to 65 % oil with a
solidification point of -30 to -32°C is obtained from the MC-20 (MS-20) oil
of the Zhiriovskaya petroleum freed from paraffin when treated with
dichloroethane benzene at temperatures of from -35°C to -38°C. It is ex-
pedient to apply extractive deparaffination as an additional treatment to
the conventional processes of deparaffination in the apparatus available.
A scheme is given. [Abstracter's note: Complete translation.] X

Card 1/1

7
S/081/61/000/012/024/028
B103/B202

AUTHORS: Bogdanov, N. F., Praven'kaya, T. I.

TITLE: Refining of "gach" (paraffin containing oil which cannot be pressed out) of the Eastern factories for the production of oxidizable paraffins

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 12, 1961, 527, abstract 12M185. (Tr. Groznensk. neft. n.-i. in-t, 1960, vyp. 7, 115-128)

TEXT: Destructive distillation was employed for the production of paraffin with boiling limits between 320-450°C (which is subsequently being oxidized) from the heavy gaches, of the Eastern factories. First, fractions of first distillation up to 450°C are separated from the gach; subsequently, the heavy residuum boiling at >450°C, is subjected to destructive distillation for 60-80 min at a reaction temperature of 400-410°C and a temperature of 350-360°C at which the vaporous products are removed. As a result the authors obtained 72-78% of gach fraction boiling out between 320-450°C and 50-60% of paraffin with a melting point of up to 54°C from which 28-38% of

Card 1/2

Refining of "gach" (paraffin ...

S/081/61/000/012/024/028
B103/B202

finished paraffin with the given melting point can be produced. [Abstracter's
note: Complete translation.]

Card 2/2

BOGDANOV, N.F.; BRESHCHENKO, Ye.M.

Limit of the possible lowering of the solidification points of oils
by dewaxing. Azerb. nef. khoz. 39 no.1:33-36 Ja '68.

(MIRA 14:8)

(Petroleum--Refining) (Paraffin wax)

BOGDANOV, N.F.; TIMOFEYEV, V.V.; PEREVERZEV, A.N.; GLADYSHEV, V.P.

Obtaining a low-melting paraffin from diesel fuel fractions by
filter pressing and sweating. Trudy GrozNII no. 15:201-212
'63. (MIRA 17:5)

BOGDANOV, Nikolay Filippovich; PEREVERZEV, Anatoliy Nikolayevich; YEF-
REMOVA, T.D., red.; FEDOTOVA, I.G., tekhn. red.

[Dewaxing of petroleum products] Deparafinizatsiia neftiensykh
produktov. Moskva, Gos. nauchno-tekhn. izd-vo نفت. i gorno-
toplivnoi lit-ry, 1961. 245 p. (MIRA 14:5)
(Lubrication and lubricants) (Petroleum--Refining)
(Paraffins)

STEPURO, S.I.; BOGDANOV, N.F.; GLADYSHEV, V.P.

Adopting a paraffin-distillate processing installation in
the new paraffin shop of the Grozny Petroleum Lubricant Plant.
Trudy GrozNII no. 15:195-200 '63. (MIRA 17:5)

BOGDANOV, N.F.

Deep-vacuum distillation vat of the Grozny Petroleum Scientific
Research Institute. Neftoper. i neftekhim. no.6:34-35 '63
(MIRA 17:7)

1. Groznenskiy neftyanoy-nauchno-issledovatel'skiy institut.

BOGDANOV, N. G.

BOGDANOV, N. G.: "On the mechanism of development of tonic contractions of smooth muscle." Kazan', 1955. Kazan' State Medical Inst. (Dissertation for the Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis' No. 47, 19 November 1955. Moscow.

USSR/Human and Animal Physiology (Normal and Pathological). T
Nerve and Muscle Physiology.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79926.

Author : Kibynkov, A.V.; Bogdanov, N.G.

Inst :

Title : On the Role of the Nervous System in the Maintenance
of a Tonic Contraction of a Smooth Muscle.

Orig Pub: Fiziol. zh. SSSR, 1957, 43, No 12, 1170-1175.

Abstract: The n. retractor penis with its peripheral nervous
apparatus was investigated in dogs. In tests with
resection with following degeneration of the pre-
and postganglionic parasympathetic tracts, the tonic
tension (TT) of the retractor did not change. The
degeneration of the preganglionic fibers of the syn-
pathetic innervation caused several changes in the

Card : 1/3

USSR/Human and Animal Physiology (Normal and Pathological).
Nerve and Muscle Physiology.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79926

ment was noted of the function of the n. erigens,
which lost its usual inhibiting influence on the
muscle. It is proposed that the TT of muscle
is assured by the permanent freedom of sympathin
in the extremities of the postganglionic chain of
the sympathetic system both during the sending of
the nerve impulses and after it.

Card : 3/3

20909700, H. E.

MS ✓ Casting heat-resistant alloys in shell molds A. I.
Lukedemonskii, N. G. Bogdanov, and G. V. Prokhorov
Lis'nie Proizvodstva 1956 No. 8, 9 & 10 (Lithuanian)
ing nichromes in sand molds were eliminated by using shell
casting, for which a mixt. of 93% fine sand, 7% powdered
Bakelite, and 0.3% kerosene was used. Operating conditions
are given.

of

BOGDANOV, N.G.

DMITRIYEVSKIY, P.Ye.; BOGDANOV, N.G.

New device for testing core mixtures for rupture. Lit. proizv. no.1:
21-22 Ja '58. (MIRA 11:2)

(Coremaking) (Sand, Foundry--Testing)

BOGDANOV, NGG.; NOSKOVA, V.N.; BESSMERTNYI, A.S., red.; SHERMUSHENKO, T.A.,
tekh. red.

[Leningrad and Leningrad Province] Leningrad i Leningradskaia
oblast'; kratkii spravochnik. Leningrad, Lenizdat, 1961. 127 p.
(MIRA 14:10)

(Leningrad Province—Description and travel)

BOGDANOV, N.G.; POLUSHKIN, B.V.

Increase of sensitivity to serotonin (5-hydroxytryptamine) in segments of rat colon in K-avitaminosis caused by ligation of the bile duct. Biul. eksp. biol. i med. 60 no.11:28-30 N '65. (MIRA 19:1)

1. Kafedra biokhimii (zav. - prof. I.I. Matusis) Altayskogo meditsinskogo instituta, Barnaul. Submitted April 15, 1964.

MATUSIS, I.I., prof. (Barnaul); BARKAGAN, Z.S., dotsent (Barnaul);
BOGDANOV, N.G., (Barnaul); YUSIPOVA, N.A. (Barnaul)

Application of water-soluble vitamin K analog (vikasol) and
antivitamins of the dicoumarin series to the treatment of
intestinal dyskinesia. Vop.pit. 24 no.4:14-19 J1-Ag '65.
(MIRA 18:12)

1. Kafedra biokhimi (zav. - prof. I.I.Matusis) i propedevtiki
vnutrennikh bolezney (zav. - dotsent Z.S.Barkagan) Altayskogo
meditsinskogo instituta, Barnaul. Submitted December 8, 1964.

Dogudinov, N. I.

Total and organic phosphorus in Siberian chernozem.
N. I. Dogudinov (S. M. Kirov Agr. Inst., Omsk). *Pochvovedeniye*, 1954, No. 5, 27-37. Besides chernozem, other soils analyzed were: chestnut brown, gray forest, solonchic chernozem, and solonchets. Samples were taken from virgin soils, sod, and cultivated areas. The Chirikov methods of detg. various forms of P were used (cf. Chirikov, C.A. 35, 2977). The total and org.-P content was assocd. with the org.-matter content of the chernozem. The podzolized and leached chernozems contained more org. matter than the genuine southern chernozem. The Siberian chernozem contained more P in the org. matter than the European chernozem. There was more P in the org. matter below the surface layer of the A horizon. The percentage of org. P in chernozem was higher than in the other soils examd.
J. S. Joffe

M 01

1300 BUGRAHNOV, N. I.

✓ Inorganic phosphates in Siberian chernozem. N. I. Bogdanov (S. M. Kirov. Agr. Inst., Omsk). *Podsolnitsa* 1935, No. 12, 18-34. -- Extensive data are presented on the inorg. forms of P in chernozem, gray forest, solonchaks, and solonchak soils. The inorg. phosphates were extd. by the F. B. Chirikov procedure (*Khimiya i sotsializ. Zemledeliya* 1939, No. 10-11). In the chernozem on loess and carbonate loesslike loams Ca phosphate made up 30-44% of the total P. On other parent materials these phosphates make up 14-20% of the total. The chernozems of Siberia contain less Fe and Al phosphate than the chernozem of European Russia. J. S. Ioffe.

BOGDANOV, N.I.

Accumulation of phosphates and changes in their composition
in Chernozem soils supporting perennial grasses. Izv.Sib.otd.
AN SSSR no.11:141-148 '58. (MIRA 12:2)

1. Omskiy sel'skokhozyaystvennyy institut im. S.M.Kirova.
(Chernozem soils) (Soil chemistry) (Phosphates)

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
CH <i>Богданов, В. И.</i>										20									
The utilization of low-grade Putlov and Kalchanowka (Volkhov) limestone for the production of hydraulic lime. <i>N. F. Komissarov and N. I. Bogdanov. <u>Stroitel. Material.</u> 1934, No. 9, 30 d.</i> R. R. Stefanovsky																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST ORDER										2ND ORDER									
3RD ORDER										4TH ORDER									

BOGDANOV, N.I.; DEYEVA, Ye.G.; TEL'NOV, M.A., red.; KHAT'KOVA, Ye.S.,
red.izd-va; PARAKHINA, N.L., tekhn.red.

[Manual of prices for overhauling machinery and equipment used
in lumbering] Sbornik optovykh tsen kapital'nogo remonta mashin
i mekhanizmov, primenyaemykh na lesosagotovkakh. Moskva, Gos-
lesbumizdat, 1960. 120 p. (MIRA 13:6)

1. Tsentral'noye byuro tekhnicheskoy informatsii lesnoy pro-
myshlennosti.
(Lumbering--Machinery)

VORONITSYN, K.I., kand. tekhn. nauk, red.; TIZENGAUZEN, P.E., kand. tekhn. nauk, red.; NADBAKH, M.P., red.; TANTSEV, A.A., starshiy nauchnyy sotr., red.; ABRAMOV, S.A., kand. tekhn. nauk, red.; ABRAMOV, D.A., red.; BOGDANOV, N.I., starshiy nauchnyy sotr., red.; VINOOROV, G.K., kand. tekhn. nauk, red.; GAVRILOV, I.I., starshiy nauchnyy sotr., red.; GUSARCHUK, D.M., starshiy nauchnyy sotr., red.; D'YAKONOV, A.I., red.; ZAV'YALOV, M.A., kand. tekhn. nauk, red.; ZARETSKIY, M.S., starshiy nauchnyy sotr., red.; KACHELKIN, L.I., starshiy nauchnyy sotr., red.; KISHINSKIY, M.I., kand. tekhn. nauk, red.; KOLTUNOV, B.Ya., starshiy nauchnyy sotr., red.; OSIPOV, A.I., kand. tekhn. nauk, red.; SHINEV, I.S., kand. ekon. nauk, red.

[Materials of the enlarged session of the Scientific Council of the Central Scientific Research Institute for Mechanization and Power Engineering in Lumbering on problems concerning power engineering and the electrification of the lumber industry]
Materialy rasshirennoi sessii Uchenogo soveta TsNIIME po voprosu energetiki i elektrifikatsii lesnoi promyshlennosti. Moskva, 1961. 75 p.

(MIRA 15:4)

(Continued on next card)

VORONITSYN, K.I.---(continued) Card 2.

1. Khimki. Tsentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i energetiki lesnoy promyshlennosti. 2. Nachal'nik Tsentral'nogo byuro tekhnicheskoy informatsii lesnoy promyshlennosti (for Nadbakh). 3. Direktor Tsentral'nogo nauchno-issledovatel'skogo instituta mekhanizatsii i energetiki lesnoy promyshlennosti (for Voronitsyn). 4. Uchenyy sovets Tsentral'nogo nauchno-issledovatel'skogo instituta mekhanizatsii i energetiki lesnoy promyshlennosti (for D'yakonov). 5. Nachal'nik otdeleniya energetiki i sredstv avtomatizatsii Tsentral'nogo nauchno-issledovatel'skogo instituta mekhanizatsii i energetiki lesnoy promyshlennosti (for Zaretskiy).
(Lumbering) (Electric power)

BOGDANOV, N.I.; MUSIK, V.T.; SMKURZHEVSKIY, L.G.

Assembling precast reinforced concrete elements in constructing
a tire factory. Prom. stroi. 39 no.5:13-16 '61. (MIRA 14:7)
(Dnepropetrovsk—Rubber industry)
(Precast concrete construction)

BOGDANOV, N.I., inzh.; TARUSHKIN, P.A., inzh.

A crane with a platform for assembling the steel plates
lining reinforced concrete silos. Mont. i spets. rab. v
stroil. 23 no.12:22-23 D '61. (MIRA 15:2)

1. Dnepropetrovskiy inzhenerno-stroitel'nyy institut, trest
Dneprostal'konstruktsiya.

(Cranes, derricks, etc.)
(Machinery—Erecting work)

~~BOGDANOV, N.I., inzh.~~; RABINOVICH, S.Yu., inzh.; SMYKURZHEVSKIY, N.G., inzh.
TARUSHKIN, P.A., inzh.

Assembling elements of the complex of buildings of Southern
Stone Concentration Combine No. 2. Prom. stroi. 39 no.11:25-
29 '61. (MIRA 14:12)

(Stone industry)

(Krivoy rog—Construction industry)

BOGDANOV, N.I., inzh.; GUREVICH, E.I., inzh.; KARUNA, Ye.V., inzh.

Use of cranes in the assembly of structural elements.
Mekh. stroi. 19 no.10:3-5 0 '62. (MIRA 15:12)
(Cranes, derricks, etc.)

BOGDANOV, N. I.

"Prospects of Using Fission Product Source Radiation in Radiation Chemistry",
by N. V. Zimakov, E. V. Volkova, A. V. Fokin, V. V. Kulichenko, V. G. Vereskunov,
A. G. Bykov, and N. I. Bogdanov.

Report presented at 2nd UN Atoms-for-Peace Conference, Geneva, 9-13 Sept 1958

BOGDANOV, N. I., ZIMAKOV, P. V., ZAKHAROVA, K. P., KULICHENKO, V. V. (USSR)

"A Thermic Method of Preparing Sr-90 Sources."

report presented at the Conference on Radioisotopes in Metallurgy and Solid State Physics, IAEA, Copenhagen, 6-17 Sept 1960.

BOGDANOV, N. I.

137

PHASE I BOOK EXPLOITATION

SOV/5486

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniya v narodnoye khozyaystvo SSSR. Riga, 1960.

Radioaktivnyye izotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy soveshchaniya v 4 tomakh. t. 1: Obshchiye voprosy primeneniya izotopov, pribory i istochnikami radioaktivnykh izlucheniya, radiatsionnaya khimiya, khimicheskaya i neftepererabatyvayushchaya promyshlennost' (Radioactive Isotopes and Nuclear Radiations in the National Economy of the USSR; Transactions of the Symposium in 4 Volumes. v. 1: General Problems in the Utilization of Isotopes; Instruments With Sources of Radioactive Radiation; Radiation Chemistry; the Chemical and Petroleum Refining Industry) Moscow, Gostoptekhzdat, 1961. 340 p. 4,140 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskyy komitet Soveta Ministrov SSSR, and Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii.

Ed. (Title page): N.A. Petrov, L.I. Petrenko and P.S. Savitskiy; Eds. of this Vol.: L.I. Petrenko, P.S. Savitskiy, V.I. Sinitsin, Ya. M. Kolotyrkin, N.P. Syrkina and R.F. Rozm; Executive Eds.: Ye. S. Lavina and B. F. Titkaya; Tech. Ed.: E.A. Mukhina.

Card 1/12

137

Radioactive Isotopes (Cont.)

SOV/5486

PURPOSE: The book is intended for technical personnel concerned with problems of application of radioactive isotopes and nuclear radiation in all branches of the Soviet economy.

COVERAGE: An All-Union Conference on problems in the introduction of radioactive isotopes and nuclear radiation into the national economy of the Soviet Union took place in Riga on 12-16 April 1960. The Conference was sponsored by: the Gosudarstvennyy nauchno-tekhnicheskii komitet Soveta Ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers, USSR); Glavnoye upravleniye po ispol'zovaniyu atomnoy energii pri Sovete Ministrov SSSR (Main Administration for the Utilization of Atomic Energy of the Council of Ministers, USSR); Academy of Sciences, USSR; Gosplan USSR; Gosudarstvennyy komitet Soveta Ministrov SSSR po avtomatizatsii i mashinostroyeniyu (State Committee of the Council of Ministers, USSR, for Automation and Machine Building) and the Council of Ministers of the Latvian SSR. The transactions of this Conference are published in four volumes. Volume I contains articles on the following subjects: the general problems of the Conference topics; the state and prospects of development of radiation chemistry; and results and prospects of applying radioactive isotopes and nuclear radiation in the petroleum refining and chemical industries. Problems of designing and manufacturing instruments which contain sources of radioactive radiation and are used for checking and automation of technological processes are examined, along with problems of accident prevention in their use. No personalities are mentioned. References accompany some of the articles.

Card 2/12

Radioactive Isotopes (Cont.)

SOV/5486

- Fradkin, G.M., and Ye. Ye. Kulish. Sources of α -, β , γ -, and Neutron Radiations for the Checking and Automation of Technological Processes 95
- Bogdanov, N.I., and K.P. Zakharova. Some Types of β -Radiation Sources Based on Sr^{90} 110
- Iordan, G.G., K.S. Furman, and T.G. Neyman. Industrial Safety Problems Involved in the Wide Implementation of Instruments With Radioactive Radiation Sources 116
- Bovin, V.P. Principles of Development of Directivity Radiometers 121
- Bogdanov, N.I., N.A. Damberg, A.D. Tumal'kan, and V.A. Yanushkovskiy. Use of Standard β -Radiation and Bremsstrahlung Sources in Technological Checking Instruments for Production 125

Card ~~5/12~~

LOMAKIN, V.P., kand. tekhn. nauk; KAMINSKAYA, D.A., kand. tekhn. nauk;
BOGDANOV, N.I., inzh.

Analysis of the energy balance during stopping of the bucket
raising drive of powerful excavators. Izv. vys. ucheb. zav.;
gor zhur. 8 no.2:122-127 '65. (MIRA 18:5)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.

BOGDANOV, Natfulla Khuznulloovich; SAPIULLIN, Midkhat Nazifullich;
RUDAKOVA, L.A., red.; GAYFULLIN, F.G., tekhn.red.

[Dual borehole drilling in Bashkir oil fields] Burenie
dvukhatvol'nykh skvazhin na promyslakh Bashkirii. Ufa,
Bashkirscoe knizhnoe izd-vo, 1959. 68 p.

(MIRA 14:1)

(Bashkiria--Oil well drilling)

~~BOGDANOV, Natfulla Khusnullovich; MURAT, Makhmud Usmanovich;~~
~~SULTANOVA, R.T., red.; PAZEY, S.I., tekhn. red.~~

[Drilling slim wells] Burenie skvazhin umen'shennogo diametra. Ufa, Bashkirskoe knizhnoe izd-vo, 1962. 98 p.
(MIRA 16:9)

(Bashkiria--Oil well drilling)

BOGDANOV, N.K., kandidat tekhnicheskikh nauk; YEFIMOV, G.P., inzhener

Calculating securing devices for freight transported on railroad
flatcars. Tekh. zhel. dor. 6 no. 12:7-10 D'47. (MLRA 8:12)
(Railroads--Cars)

BoGDANOV, N.K.

BENESHVICH, I.I., kandidat tekhnicheskikh nauk; BOGIN, N.H., kandidat tekhnicheskikh nauk; BYKOV, Ye.I., inzhener; VLASOV, I.I., kandidat tekhnicheskikh nauk; GRITSHEVSKIY, M.Ye., inzhener; GRUBER, L.O., inzhener; GURVICH, V.G., inzhener; DAVYDOV, V.N., inzhener; YER-SHOV, I.M., kandidat tekhnicheskikh nauk; ZASORIN, S.N., kandidat tekhnicheskikh nauk; IVANOV, I.I., kandidat tekhnicheskikh nauk; KRAUKLIS, A.A., inzhener; KROTOV, L.B., inzhener; LAPIN, V.B., inzhener; LASTOVSKIY, V.P., dotsent; LAFUNIN, N.I., inzhener; MARKVARDT, K.G., professor, doktor tekhnicheskikh nauk; MAKHAYLOV, M.I., professor, doktor tekhnicheskikh nauk; NIKANOROV, V.A., inzhener; OSKOLKOV, K.N., inzhener; OKHOSHIN, L.I., inzhener; PARFENOV, K.A., dotsent, kandidat tekhnicheskikh nauk; PERTSOVSKIY, L.M., inzhener; POPOV, I.P., inzhener; PGRSHNEV, B.G., inzhener; RATNER, M.P., inzhener; ROSSIYEVSKIY, G.I., dotsent, kandidat tekhnicheskikh nauk; RYKOV, I.I., kandidat tekhnicheskikh nauk; RYSHKOVSEIY, I.Ya., dotsent, kandidat tekhnicheskikh nauk; RYABKOV, A.Ya., professor [deceased]; TAGER, S.A., kandidat tekhnicheskikh nauk; KHAZEN, M.M., professor, doktor tekhnicheskikh nauk; CHERNYSHEV, M.A., doktor tekhnicheskikh nauk; HBIN, L.Ye., professor, doktor tekhnicheskikh nauk; YURENEV, B.N., dotsent; AKSENOV, I.Ya., dotsent, kandidat tekhnicheskikh nauk; ARKHANGELSKIY, A.S., inzhener; BARTENEV, P.V., professor, doktor tekhnicheskikh nauk; BERNGARD, K.A., kandidat tekhnicheskikh nauk; BOROVOY, N.Ye., dotsent, kandidat tekhnicheskikh nauk; BOGDANOV, I.A., inzhener; BOGDANOV, N.K., kandidat tekhnicheskikh nauk; VINNICHENKO, N.G., dotsent, kandidat ekonomicheskikh nauk;

(Continued on next card)

BENESHEVICH, I.I.----(continued) Card 2.

VASIL'YEV, V.P.; GONCHAROV, H.G., inzhener; DERIBAS, A.T., inzhener;
 DOBROSHEL'SKIY, K.M., dotsent, kandidat tekhnicheskikh nauk; DLUGACH,
 B.A., kandidat tekhnicheskikh nauk; YEFIMOV, G.P., kandidat tekhnicheskikh nauk;
 ZEMBLINOV, S.V., professor, doktor tekhnicheskikh nauk; ZABELLO, M.L., kandidat tekhnicheskikh nauk; IL'IN, K.P.,
 kandidat tekhnicheskikh nauk; KARSTNIKOV, A.D., kandidat tekhnicheskikh nauk;
 KAPLUN, P.Sh., inzhener; KANSHIN, M.D.; KOCHNEV, P.P., professor, doktor tekhnicheskikh nauk;
 KOGAN, I.A., kandidat tekhnicheskikh nauk; KUCHURIN, S.F., inzhener; LEVASHOV, A.D., inzhener;
 MAKSIMOVICH, B.M., dotsent, kandidat tekhnicheskikh nauk; MARTYNOV, M.S., inzhener;
 MEDVEDEV, O.M., inzhener; NIKITIN, V.D., professor, kandidat tekhnicheskikh nauk;
 PADNYA, V.A., inzhener; PANTELEYEV, P.I., kandidat tekhnicheskikh nauk;
 PETROV, A.P., professor, doktor tekhnicheskikh nauk; POVOROZHENKO, V.V., professor, doktor tekhnicheskikh nauk;
 PISKAREV, I.I., dotsent, kandidat tekhnicheskikh nauk; SERGEEV, Ye.S., kandidat tekhnicheskikh nauk;
 SIMONOV, K.S., kandidat tekhnicheskikh nauk; SIMANOVSKIY, M.A., inzhener; SUYAZOV, I.G., inzhener;
 TALDAYEV, F.Ya., inzhener; TIKHONOV, K.K., kandidat tekhnicheskikh nauk; USHAKOV, N.Ya., inzhener;
 USPENSKIY, V.K., inzhener; FEL'DMAN, E.D., kandidat tekhnicheskikh nauk;
 FERAPONTOV, G.V., inzhener; KHOKHLOV, L.P., inzhener; CHERNOMORDIK, G.I., professor, doktor tekhnicheskikh nauk;
 SHAMAYEV, M.F., inzhener; SHAFIRKIN, B.I., inzhener; YAKUSHIN, S.I., inzhener;
 GRANOVSKIY, P.G., redaktor; TISHCHENKO, A.I., redaktor; ISAYEV, I.P., dotsent, kandidat tekhnicheskikh nauk, redaktor;
 KLIMOV, V.P., dotsent kandidat tekhnicheskikh

(Continued on next card)

BENESHEVICH, I.I.--- (continued) Card 3.

nauk, redaktor; MARKOV, M.V., inzhener, redaktor; KALININ, V.K.,
inzhener, redaktor; STEPANOV, V.N., professor, redaktor; SIDOROV, N.I.,
inzhener, redaktor; GERONIMUS, B.Ye., kandidat tekhnicheskikh nauk,
redaktor; ROBEL', R.I., otvetstvennyy redaktor

[Technical reference manual for railroad engineers] Tekhnicheskii
spravochnik zheleznodorozhnika. Moskva, Gos. transp.zhel-dor. izd-vo.
Vol.10. [Electric power supply for railroads] Energosnabzhenie zhelez-
nykh dorog. Otv.red. toma K.G.Markvardt. 1956. 1080 p. Vol.13.
[Operation of railroads] Eksploatatsiya zheleznnykh dorog. Otv. red.
toma R.I.Robel'. 1956. 739 p. (MLRA 10:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Petrov)
(Electric railroads) (Railroads---Management)

BOGDANOV, N.K., dots.

~~Determining~~ the "cap" volume for bulk freight. Trudy MTEI no.9:
14-20 '58. (MIRA 11:5)

(Railroads--Freight)

BOGDANOV, Nikolay Kirillovich; KOLDOMASOV, Yu.I., spets. red.; SMIRNOV,
Ye.I., red.; GERASIMOVA, Ye.S., tekhn. red.

[Freight transportation and tariffs] Gruzovye perevozki i ta-
rifi. Moskva, Ekonomizdat, 1963. 399 p. (MIRA 16:8)
(Freight and freightage)

BUDANOV, A.S. (Leningrad); BOGDANOV, N.M., inzh. (Leningrad); KHMEL'NITSKIY,
L.I., inzh. (Leningrad)

Uniform technology in the operations of railroad stations and
harbors. Zhel.dor.transp. 44 no.11:42-47 N '62. (MIRA 15:11)

1. Zamestitel' nachal'nika Leningradskogo trgovogo morskogo
porta (for Budanov). 2. Stantsiya Novyy Port (for Bogdanov).
(Freight and freightage)

BOGDANOV, Nikolay Mitrofanovich; ITUNINA, R.G., red.; BERNGARDT, N.Ye.,
tekhn.red.

[Advantages of monetary wages on collective farms] Vygody
denezhnoi oplaty v kolkhovakh. Voronezh, Voronezhskoe knizhnoe
isd-vo, 1960. 21 p. (MIRA 14:4)

1. Sekretar' Bobrovskogo raykoma Kommunisticheskoy partii Sovetskogo
Soyuza (for Bogdanov).
(Bobrov district--Collective farms--Income distribution)

BOGDANOV, N. M.; PROKOF'YEVA, G. N.; SUCHILIN, Ye. D.

Application of herbicides for weed control in gladioli stands.

Biul. Glav. bot. sada no.47:88-91 '62.

(MIRA 16:1)

1. Glavnyy botanicheskiy sad AN SSSR.

(Herbicides) (Gladiolus) (Weed control)

BOGDANOV, N. N., Cand. Med. Sci., -- (diss) "Medical Use of the mineral bottled water "Feodosiya" during chronic diseases of the stomach (Gastritis, Stomach and Duodenal Ulcers)," Moscow, 1961, 18 pp (Second Moscow State Medical Institute im. N. I. Pirogov), 200 copies (KL*Supp 9-61, 188)

BOGDANOV, N.N. (Deceased)

Cent

see ILC

BOGDANOV, NIKOLAY NIKOLAYEVICH.

TROITSKIY, Yevgeniy Aleksandrovich; BOGDANOV, Nikolay Nikolayevich;
IOSILEVSKIY, Lev Izrailevich; SOROKIN, N.N., redaktor; YEVGRAFOV,
G.K., professor, redaktor; KHITROV, P.A., tekhnicheskiy redaktor

[Railroad bridge span structures of prestressed concrete] Pro-
letnye stroeniya zheleznodorozhnykh mostov iz predvaritel'no
napriazhennogo zhelezobetona. Moskva, Gos.transp. zhel-dor. izd-
vo, 1955. 330 p. (MIRA 9:3)

(Bridges, Concrete)

BOGDANOV, N. V.

principal

BASHAY, K. I. - "Dimensional tolerances of heavy elements" (Session IV)
 BELITSKY, Ye. I. - "Research on conditions of work and ultimate state of steel frames of industrial buildings" (Session II)
 BELY, O. Ye. - "Research on the concrete strength theory" (Session II)
 BOGDANOV (fnu) (probably Nikolay N. Bogdanov) and KHRUSOV (fnu) - "General regulations adopted in new 'Instructions on design, erection and maintenance of flat roofs in the USSR' and the result of recent investigation of flat roof structures in the USSR" (Session VI)
 BONTSEVSKIY, M. S. - "Resistance of reinforced concrete members to the effect of transverse forces" (Session II)
 OVSELEY, A. A., Prof. Dr. - "Present state and problems of design of building structures" (Session II)
 KHRUSOV, Grigoriy F., Prof. - "Eastern European experience" (Session IV)
 MOROZOV, M. V., and URSKOV, P. V. - "Problems of joining heavy elements in precast dwellings" (Session IV)
 MURASHOV, V. I., Prof. Dr. - "Resistance to cracking and stiffness of reinforced concrete members" (Session II)
 OVSYANNIK, V. I., Prof., President of Session II; also scheduled to present a paper in Session II, title not given. Member of the Steering Committee for the Congress.
 AGARIN, Aleksey A., Prof. Dr. - "Design of carrying capacity of slabs and shells by the limit balance method" (Session II)
 SMAGIN, P. P., GASTY, O. A., Prof. Dr., and PETLAK, D. A. - "Stability of multi-story buildings of heavy elements" (Session IV)

reports to be submitted for the 2nd. Congress and Third General Assembly,
 Int. Council for Building Research, Studies and Documentation, Rotterdam,
 Rotterdam, 21-23 Sep 1979.

AUTHORS: Sus, A.N. and Bogdanov, N.N. SOV/120-59-5-26/46
TITLE: A Wide-range Instrument for the Measurement of Magnetic-field Intensity
PERIODICAL: Priory i tekhnika eksperimenta, 1959, Nr 5, pp 117 - 118 (USSR)
ABSTRACT: A description is given of an instrument which may be used to measure constant magnetic fields between a fraction of an oersted to 10 kOe. The instrument measures the mean value of the field within the limits of 5 mm². The instrument is linear and the accuracy is about 1%. The fields are measured by measuring the e.m.f. induced in a rotating coil when the coil is placed in the magnetic field. The e.m.f. is amplified, rectified and then measured by a DC pointer instrument. The installation is analogous to that described by Jurgens et al (Ref 1), Lamb and Retterford (Ref 2), Wills (Ref 3) and Langen and Scott (Ref 4).
There are 1 figure and 4 references, 3 of which are English and 1 German. ✓

Card1/2

SOV/120-59-5-26/46

A Wide-range Instrument for the Measurement of Magnetic-field
Intensity

ASSOCIATION: Saratovskiy gosudarstvennyy universitet (Saratov
State University) ✓

SUBMITTED: June 9, 1958

Card 2/2

BOGDANOV, N.N., kand.tekhn.nauk; MILEYKOVSKIY, M.A., inzh.

Prestressed reinforced concrete beam spans for the road part
of a double-deck bridge across the Moscow River. Transp.stroi.
9 no.2:21-27 F '59. (MIRA 12:5)

(Moscow--Bridges, Concrete)
(Prestressed concrete construction)

BOGDANOV, N.N., kand.tekhn.nauk; VEYNBLAT, B.M., kand.tekhn.nauk

Prestressed sections of round water pipes under embankments.
Transp. stroi. 11 no.10:45-47 0 '61. (MIRA 14:10)
(Pipe, Concrete) (Culverts)

YEVGRAFOV, Georgiy Konstantinovich, prof., doktor tekhn.nauk; IOSILEVSKIY, Lev Izrailevich, kand.tekhn.nauk, dotsent; ALEKSANDROV, Anatoliy Vasil'yevich, kand.tekhn.nauk, dotsent; BOGDANOV, Nikolay Nikolayevich, kand.tekhn.nauk, dotsent; YEREMEEV, Genrikh Mikhaylovich, inzh.; CHIRKOV, Vladilen Pavlovich, inzh. Prinsipali uchastiye: RYBIN, V.D., inzh.; ANTIPOV, A.S., inzh. MITROFANOV, Yu.M., inzh., retsenzent; KARAMYSEV, I.A., inzh., red.; USENKO, L.A., tekhn.red.

[Prestressed bridge girders with stretching of the reinforcement before the concrete is placed] Predvaritel'no napriazhenkiye balochnye proletnye stroeniya mostov s napriazheniem armatury do betonirovaniya. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniya, 1962. 282 p. (MIRA 15:4)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Yevgrafov).
(Bridges, Concrete) (Prestressed concrete)

BOGDANOV, N.N., kand.tekhn.nauk; SOLOV'YEV, G.P., inzh.

Investigation of reinforced continuous beams without rigid anchor
age. Transp. stroi. 14 no.2:46-48 F '64. (MIRA 17:4)

BOGDANOV, N.N., kand. tekhn. nauk; KAMENTSEV, V.P., inzh.;
SOLOV'YEV, G.P., inzh.

Testing models of continuously reinforced elements and units
of precast reinforced concrete trusses. Transp.stroi. 13 no.10:
56-59 0 '63. (MIRA 17:8)

BORISOV, M.I.; BOGDANOV, N.P.; GENTS, N.N.; TAMM, A.I.; FILATOVA, I.T.,
red.; GOLICHENKOVA, A.A., tekhn.red.

[Trade Union of Builders; brief outline history] Profsoiuz
stroitelei; kratkii istoricheskii ocherk. Moskva, Izd-vo
VTsSPS, Profizdat, 1959. 190 p. (MIRA 13:5)
(Trade unions)

NEPOROZHNIY, P.S.; FINOGENOV, Ya.I.; LAVRENNENKO, K.D.; VESELOV, N.D.;
SAVINYKH, A.I.; SAPOZHNIKOV, F.V.; SERDYUKOV, N.P.; CHUPRAKOV, N.M.;
NEKRASOV, A.M.; BOROVY, A.A.; KOTILEVSKIY, D.G.; STEKLOV, V.Yu.;
KULEBAKIN, V.S.; BOGDANOV, N.P.

Petr Ivanovich Voevodin, d. 1964; obituary. Elektrichestvo no.3:
90-91 Mr '65. (MIRA 18:6)

BOGDANOV, N., S. PRONIN and N. FYKHOV.

Povyshenie tekhnicheskikh norm zagruzki vagonov toplivnymi gruzami. Increasing
technical standards for fuel supply loading of freight-cars/. (Zhel-dor. transport,
1947, no. 12, p. 16-21).

DLC: HE7.25

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress
Reference Department, Washington, 1952, Unclassified.

BOGDANOV, N. S.

Bogdanov, N. S. - "Types of clay plaster", Nauch. Trudy (Rest. n/D inzh.-stroit. in-t), Collection 1, 1948, p. 7-60.

SO: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 8, 1949).

BOGDANOV, N.S., kand. arkhitektury.

Planning and equipping built-in retail stores in the West. Gor. khor.
Mosk. 32 no.2:35-40 P '58. (MIRA 11:1)
(Stores, Retail) (Store fixtures)

BOGDANOV, N.S.

Distribution of viticulture and organization of supply zones of
the wine making industry. Trudy VNIIViV "Magarach" 8:5-19 '59.
(MIRA 14:1)

(Viticulture)

BOGDANOV, N.S.

Distribution and specialization of agricultural production in Crimean
Province. Trudy VNIIViV "Magarach" 8:21-91 '59. (MIRA 14:1)
(Crimea--Agriculture) (Crimea--Viticulure)

BOGDANOV, N.S.; Prinimala uchastiye YEVSEYEV, Ye.P., nauchnyy sotrudnik

Vineyard regions and geographical distribution of wineries for
the first-stage treatment of grapes (Experience in the Crimea
Province of the Ukrainian U.S.S.R.). Trudy VNIIViV "Magarach". 9:3-32
'60. (MIRA 13:11)

1. Otdel ekonomiki Vsesoyuznogo nauchno-issledovatel'skogo instituta
vinodeliya i vinogradarstva "Magarach".
(Crimea--Wine and wine making)

GOL'DZAND, L.L., BOGDANOV, N.S. (Leningrad)

~~Epicondylitis and its treatment. Fel'd. i akush. 24 no.1:23-24~~
Ja '59 (MIRA 12:1)

(MUSCLES--DISEASES)

(LOCAL ANESTHESIA)

BOGDANOV, N.S. (Leningrad)

Tenovaginitis crepitans, and its treatment. *Fel'd i akush.* 24
no.2:15-16 Fe '59.

(MIRA 12:3)

(TENDONS--DISEASES)

BOGDANOV, N.S. (Leningrad)

Thermal burns and their treatment. Fel'd. i akush. 24 no.9:50-51
S '59. (MIRA 12:12)

(BURNS AND SCALDS)

CHUCHENKO, Stefan Petrovich; SKRAMTAYEV, B.G., prof., doktor tekhn. nauk, retsenzent; BUTT, Yu.M., prof., doktor tekhn. nauk, retsenzent; BOGDANOV, N.S., prof., doktor tekhn. nauk, retsenzent; SAAT'YAN, Yu.A., red.; BOROVINSKAYA, L.M., tekhn. red.

[Reinforced concrete without thermal treatment] Zhelezobeton bez teplovoi obrabotki. Rostov-na-Donu, Rostovskoe knizhnoe izd-vo, 1962. 93 p. (MIRA 16:3)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Skramtayev). 2. Moskovskiy khimiko-tekhnologicheskii institut (for Butt).

(Precast concrete)

Bogdanov, N.V.

122-5-6/35

AUTHORS: Bogdanov, N.V. and Feygin, L.A'. (Engineers)

TITLE: The Running-in of High Power Gear Transmission by the Closed Contour Method (Obkatka peredach bol'shoy moshchnosti zamknutym metodom)

PERIODICAL: Vestnik Mashinostroyeniya, 1957, Nr 5, pp.15-17 (USSR)

ABSTRACT: The Leningrad Metal Plant (Leningradskiy Metallicheskiy Zavod) introduced closed contour gear transmission testing and running-in in 1951. A diagram of the closed contour rig is shown, including several gear couplings which enabled the shafts to work with a certain angularity. This is used to produce a pulsating torque through a system of differential bearing loads. The analysis of V.N. Kudryavtsev (Vestnik Mashinostroyeniya 10, 1951) is recalled. Some early technical troubles resulting in pitting of tooth flanks are mentioned and the large economy possible with the closed contour tests is noted. There are 3 illustrations, including 2 photographs, and 1 table.

AVAILABLE: Library of Congress.

Card 1/1

10997-66

ACC NR: AP6001978

SOURCE CODE: UR/0105/65/000/003/0090/0091

AUTHOR: Neporozhniy, P. S.; Finogenov, Ya. I.; Lavrenenko, K. D.; Veselov, N. D.; Savinykh, A. I.; Sapozhnikov, F. V.; Serdyukov, N. P.; Chuprakov, N. M.; Nekrasov, A. M.; Borovoy, A. A.; Kotilevskiy, D. G.; Steklov, V. Yu.; Kulebakin, V. S.; Bogdanov, N. P.

ORG: none

TITLE: Petr Ivanovich Voyevodin

SOURCE: Elektrichestvo, no. 3, 1965, 90-91

TOPIC TAGS: electric engineering personnel, political personnel

ABSTRACT: P. I. VOYEVODIN died on 25 November 1964; one of the oldest bolshevik-Leninists, he was a member of the CPSU already in 1899. He fought in the early battles of the revolution, was imprisoned and sent to Siberia in 1905. After the October Revolution he became an economic adviser to Lenin on matters pertaining to Siberia and the entire Soviet Union as well. He was active in planning and organizing GOELRO. In 1921 he was assigned to set up the new Russian cinema industry, later he turned to the problems of electrification: spreading Lenin's ideas, publishing books and periodicals on the subject. He was the first Soviet editor of "Elektrichestvo" and then the editor of "Elektrifikatsiya." He partici-

Cord 1/2

UDC: 621.311

L 10997-66

ACC NR: AP6001978

0
parted in the International Power Conferences in Berlin 1930 and in Belgrade 1956. His entire life was devoted to faithful service in the interests of the Communist Party; in 1964 he was duly awarded the Order of Lenin and was named a Hero of Socialist Labor. Orig. has: 1 figure. [JPRS]

SUB CODE: 05, 09 / SUBM DATE: none

OC
Card 2/2

BOGDANOV, O. I.

AID P - 3262

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 17/25

Authors : Kagan, Ya. I., O. I. Bogdanov, and Ye. I. Yantovskiy, Engs.,
Khar'kov.

Title : Measuring the thickness of the oil film in slip-bearings and
thrust bearings

Periodical : Elektrichestvo, 9, 73-76, S 1955

Abstract : The authors describe the measuring of thickness of the oil film
in slip- and thrust bearings, which they made with the use of
induction senders of the transformer type fed by a current of
industrial frequency. The authors describe in detail the
measuring apparatus and connection diagram as well as the testing
procedure. Three photographs, 4 diagrams, 3 Soviet references,
1947-1954.

Institution : None

Submitted : Mr 23, 1955

KAGAN, Ya.I., inzhener (Khar'kov); BOGDANOV, O.I., inzhener (Khar'kov).

Measuring the thickness of the oil film in the thrust bearing of
vertical electric motors. Elektrichestvo no.8:74-76 Ag '56.

(MLRA 9:10)

(Lubrication and lubricants)(Electric motors)(Electric measurements)

X

BOGDANOV, O. I. Cand Tech Sci -- (diss) " Study of the operation of thrust²
step-bearings of MS 323 7/8v vertical electric motors." Khar'kov, 1957. 13 pp
(Min of Higher Education UkSSR. Khar'kov Polytechnic Inst im V. I. Lenin),
100 copies (KL, 43-57, 88)

BOGDANOV, O.I.

AUTHORS: Kagan, Ya.I., Engineer, Bogdanov, O.I., 105-9-21/32
Engineer (Khar'kov)

TITLE: On the Method of Measuring the Thickness of an Oil Film in Friction Bearings (K metodike izmereniya tolshohiny maslyanoy plenki v oporakh skol'zyashchego treniya)

PERIODICAL: Elektrichestvo, 1957, Nr 9, pp. 72-73 (USSR)

ABSTRACT: The measuring scheme given by the authors in Elektrichestvo, 1955, Nr 9, p. 73, had the disadvantage that at a change of temperature of the medium surrounding the measuring- and gauging donors the gauge curves changed. The authors therefore developed a new method which is free from this disadvantage. Into the primary winding circuit additional resistances are introduced, the order of magnitude of which is much larger than the resistance of the donor primary windings. A stabilization of the current flowing in the primary windings is thus attained. The secondary windings of the gauging- and measuring donor are switched on to the bridge amplifier. The oscillograph-vibrator is connected in the diagonal of the latter. The method described here was successfully applied by the authors in production.
There is 1 figure.

AVAILABLE: Library of Congress
Card 1/1

KAGAN, Ya.I., kand.fiz.-mat.nauk; KOVALENKO, A.D., inzh.; ZHARKIKH, V.Z., inzh.;
BOGDANOV, O.I., inzh.; ZUBAR', V.P., inzh.; D'YAKONENKO, V.S., inzh.

Automatic measurement of shaft diameters during grinding. Vest.mash.
38 no.10:58-59 0 '58. (MIRA 11:11)
(Thickness measurement)

28(4)

AUTHORS:

Kagan, Ya. I., Bogdanov, O. I.,
Bloschenko, A. A., Abakumov, N. I.

SOV/32-25-9-40/53

TITLE:

Automatic Weighing Unit for Small Weighed Portions of
Hard-to-pour Materials

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 9, p 1132 (USSR)

ABSTRACT:

A device was developed for the automatic weighing of the silver charge which is used to produce powder metallurgical contacts. The method of dosage by weighing is used, the feed of the charge being effected by means of a plate-shaped charging unit, and the control of the scheme by means of a Hg contact breaker. The arrangement consists of the weighing unit, the dosage device, and the controlling device. As follows from the description of the graph (Fig), the working principle of the system is the following: the material falls out onto a turning disk from which it is brought into a sloping groove by means of a wiper and then falls into a tiltable scalepan. At the moment where the desired quantity of the material is in the scalepan, a Hg-contact is interrupted, thus interrupting the feed of the material and at the same time starting a mechanism which empties the scalepan with the weighed material.

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Automatic Weighing Unit for Small Weighed Portions of SOV/32-25-9-40/53
Hard-to-pour Materials

When the scalepan is empty and the balance of the scales is restored, the above-mentioned Hg-contact is closed and the process is repeated. Charges of 0.5-8.0 g can be weighed with a precision of ± 0.05 g in 4-5 seconds. There is 1 figure.

ASSOCIATION: Khar'kovskiy elektromekhanicheskiy zavod (Khar'kov Electro-mechanical Plant)

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28(5)

SOV/32-25-9-49/53

AUTHORS: 1) Kagan, Ya. I., Bogdanov, O. I., 2) Perkovskiy, P. A.,
3) Iskhakov, Kh. A., 4) Martirosoyan, A. P., Avakyan, M. Kh.,
5) Andybura, P. Ya.

TITLE: News in Brief

PERIODICAL: Zavodskaya laboratoriya, 1959, Vol 25, Nr 9, pp 1146-1147 (USSR)

ABSTRACT: Ya. I. Kagan and O. I. Bogdanov, Elektromekhanicheskiy zavod, g. Khar'kov (Electromechanical Works, Khar'kov) suggest the use of an apparatus (Fig) to be used for grading steel samples according to trade-marks. The apparatus is based on a difference in the thermoelectric force of the samples. 40Kh and 9KhS, ShKh15 and 9KhS, Kh12 and Kh12TF steels may be distinguished from one another. Measurement is performed in such a way that a copper electrode heated up to a definite temperature is pressed on one end of a small test foil, and a second (unheated) copper electrode is pressed on the other end, and the thermoelectric force is measured with a millivoltmeter. P. A. Perkovskiy, Altayskiy traktornyy zavod (Altay Tractor Works) reports on an improved coercimeter of the system UFAN (Fig). A diagram illustrates the new circuit-diagram. Kh. A. Iskhakov, Tomskiy politekhnicheskiy institut (Tomsk Polytechnic Institute) suggests the use of small furnaces

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for differential-thermal analyses, since the performance of such analyses is made possible by their use in plant laboratories. In these furnaces, the heating coil is freely exposed in small ceramic tubes (60 per cent fire-clay and 40 per cent china clay), the latter being contained within a layer of asbestos wool between the inner furnace wall (fire-clay) and the furnace shell (sheet steel). The furnace block has five cavities, two for the sample, two for the standard samples, and one for the thermocouple. A. P. Martirosyan and M. Kh. Avakyan, Yerevanskiy politekhnicheskii institut (Yerevan Polytechnic Institute) described a tensimeter (Fig). The liquid to be investigated is evaporated in vacuum on the water bath, which causes the vapors to pass into a second glass vessel of the apparatus where they flow about a thermometer, and flow back, after condensation has taken place, into the first glass vessel. As soon as a stabilized circulation has been attained, pressure is read on a gauge, air is passed into the system, and pressure is read. This is repeated 10 to 15 times, and the vapor tension is calculated from the difference between external pressure and vacuum. P. Ya. Andybura, Krivorozhskiy gornorudnyy institut (Krivoy Rog Mining Institute) designed a measuring instrument for

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wire rope diameters (Fig). The device is provided with two wedge-shaped bits, a movable one and a fixed one. The former is connected with an indicator. The use of wedge-shaped bits reduces the error of measurement to a minimum, which cannot be attained with a conventional micrometer. There are 4 figures.

ASSOCIATION: Elektromekhanicheskiy zavod, g. Khar'kov (Electromechanical Works, Khar'kov). Altayskiy traktornyy zavod (Altay Tractor Works). Tomskiy politekhnicheskiy institut (Tomsk Polytechnic Institute). Yerevanskiy politekhnicheskiy institut (Yerevan Polytechnic Institute). Krivorozhskiy gornorudnyy institut (Krivoy Rog Mining Institute)

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S/110/60/000/011/004/012
E194/E484

AUTHORS: D'yachenko, S.K., Candidate of Technical Sciences,
Bogdanov, O.I., Candidate of Technical Sciences,
Dovzhuk, A.Ya., Engineer and Tokar', I.Ya., Engineer

TITLE: An Experimental Study of Annular (Hydrogen) Seals on a
Turbo-Generator Shaft Having a Conical Bearing Surface

PERIODICAL: Vestnik elektropromyshlennosti, 1960, No.11, pp.41-43¹⁷

TEXT: The bearing surfaces of annular seals usually consist of separate fixed sectors and contain surfaces that slope to the direction of motion and also areas parallel to the thrust block, see Fig.1. These shapes have to be made by hand which is rather inaccurate. An article by Tokar' in Vestnik elektropromyshlennosti No.6, 1960 described annular seals with bearing surface of conical shape, that is with a wider gap at the small diameter than at the large, see Fig.2. The previous work showed that although there is no slope in the direction of the motion, the conical oil film can withstand considerable loads. The object of the present article was to check the correctness of the calculations given in the previous article and to establish the reliability of the seal. The Elektrotiyazhmash Works built a rig to test the glands for a Card 1/3 ✓

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E194/E484

An Experimental Study of Annular (Hydrogen) Seals on a Turbo-Generator Shaft Having a Conical Bearing Surface

turbo-alternator of 200 MW, the main dimensions are given. The measurement procedure is described. The oil flow and the temperature were measured. The oil pressure was measured at inlet to the seal and in the circular channel, see Fig.2. The induction method with U-shaped transformer type transducers was used to measure the minimum oil film thickness, the arrangement is shown in Fig.3. The circuit used to measure the oil film thickness is shown in Fig.4. The method of measurement is independent of the temperature of the medium surrounding the inductive transducers. A calibration curve for the instrument is given in Fig.5. It will be seen that the sensitivity of the circuit is about 1 micron in the thickness range up to 30 microns and 2.5 microns in the range up to 150 microns. The main tests were made with a gas pressure inside the frame of 3 atm with a spring pressure of 100 kg and the results are tabulated. The minimum film thickness with a gas (hydrogen) pressure of 3.2 kg/cm² and oil pressure of 3.6 kg/cm² was 0.12 mm. The agreement between calculated and experimental values is satisfactory and

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An Experimental Study of Annular (Hydrogen) Seals on a Turbo-Generator Shaft Having a Conical Bearing Surface

accordingly the formulae given in the previous article are recommended for practical use. There are 5 figures, 1 table and 2 Soviet references.

SUBMITTED: May 25, 1960

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D'YACHENKO, S.K., kand.tekhn.nauk; BOGDANOV, O.I., kand.tekhn.nauk; DOVZHUK,
A.Ya., inzh.; TOKAR', I.Ya., inzh.

Experimental study of axle face packing in a turgogenerator with
a conical carrying surface. Vest. elektroprom. 31 no.11:41-43 N
'60. (MIRA 13:12)

(Turbogenerators)

(Packing (Mechanical engineering))

TOKAR', I.Ya., kand.tekhn.nauk; D'YACHENKO, S.K., kand.tekhn.nauk;
BOGDANOV, O.I., kand.tekhn.nauk; DOVZHUK, A.Ya., inzh.

Concerning the design of the end seals of a turbogenerator
rotor. Vest. elektroprom. 32 no.5:68-70 My '61. (MIRA 15:5)
(Turbogenerators)

BOGDANOV, O.I., kand.tekhn.nauk; DOVZHUK, A.Ya., kand.tekhn.nauk;
D'TACHENKO, S.K., kand.tekhn.nauk

Device for controlling the thickness of the oil film in slide
bearings. Elektrotekhnika 35 no.4:45-46 Ap '64. (MIRA 17:4)

BOGDANOV, O.I., kand. tekhn. nauk; KUDRYAVTSEV, G.P., inzh.

Optimal circular hydrostatic thrust bearing. Elektrotehnika
36 no.5:15-16 My '65. (MIRA 18:5)

BOGDANOV, O.I., kand. tekhn. nauk, dotsent; KUDRYAVTSEV, G.P., inzh.

Designing hydrostatic collar bearings. Vest. mashinostr. 45
no.1:13-17 Ja '65. (MIRA 18:3)

BOGDANOV, O.I., kand. tekhn. nauk; RUDENKO, M.P., aspirant

Hydraulic lubrication of sliding bearings. Izv. vys. ucheb. zav.;
 mashinostr. no.8:73-77 '65. (MIRA 18:10)